

Date: Fri, 12 Nov 93 04:30:33 PST  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V93 #101  
To: Ham-Equip

Ham-Equip Digest                      Fri, 12 Nov 93                      Volume 93 : Issue 101

Today's Topics:

                    FT-980 on MARS?  
      FT530 TRANSMITS on aircraft band! Only one? (3 msgs)  
                    ICOM, IC 77 REVIEW  
                    KDK Varactor source needed  
                    remote switch  
      TH-78A & beyond MARS mods (2 msgs)  
                    what do i need to broadcast

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Tue, 9 Nov 93 23:18:15 EST  
From: swrinde!sdd.hp.com!caen!nic.umass.edu!noc.near.net!news.delphi.com!  
usenet@network.ucsd.edu  
Subject: FT-980 on MARS?  
To: ham-equip@ucsd.edu

Excuse my ignorance, Rick. Does the FT-980 have tube or solid state  
finals? I wonder what is in this Yaesu modification kit... --Leigh/KM6JE.

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Date: Wed, 10 Nov 1993 04:10:32 GMT  
From: swrinde!cs.utexas.edu!utnut!torn!newshost.uwo.ca!uwovax.uwo.ca!  
ppddgc@network.ucsd.edu  
Subject: FT530 TRANSMITS on aircraft band! Only one?  
To: ham-equip@ucsd.edu

A friend of mine has a new Yaesu FT530 that TRANSMITS on aircraft frequencies (am). Is this the only handheld that does this?

Dave Colvin VE3ZDC

University of Western Ontario  
ppddgc@uwoc1.uwo.ca

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Date: Wed, 10 Nov 1993 06:39:15 GMT  
From: nwnexus!a2i!davidj@uunet.uu.net  
Subject: FT530 TRANSMITS on aircraft band! Only one?  
To: ham-equip@ucsd.edu

In <1993Nov10.001032.1@uwovax.uwo.ca> ppddgc@uwovax.uwo.ca writes:

>A friend of mine has a new Yaesu FT530 that TRANSMITS on aircraft frequencies  
>(am). Is this the only handheld that does this?

>Dave Colvin VE3ZDC

Dave, does it transmit on AM or FM? Lots of these radios are sufficiently broadband to put out some garbage down there (my Icom IC-02 will make noise down to 120 MHz or so) but does it really track tune that far, and does it actually do AM or a facsimile thereof, or does it output FM there, which would be less than useful?

Flame retardant clause: This is in the interest of enhancing emergency readiness for operations in accordance with FCC R&R 97.403. Yes, I already have a type-accepted AM handheld and a license to use it on the ground to coordinate the activities of aircraft.

73 David WA6NMF

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David Josephson <david@josephson.com>

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Date: Thu, 11 Nov 1993 07:53:50 GMT  
From: nevada.edu!jimi!envoy!equinox!destree@uunet.uu.net  
Subject: FT530 TRANSMITS on aircraft band! Only one?  
To: ham-equip@ucsd.edu

I HAD to throw this in right about now. Regarding HT's and aircraft, I have a good freind who has an Icom W2A, who is also a student pilot. Recently, he plugged his little Icom into the lighter of the late 1960's



From: pacbell.com!well!nigel.msen.com!sdd.hp.com!cs.utexas.edu!  
howland.reston.ans.net!math.ohio-state.edu!cyber2.cyberstore.ca!nntp.cs.ubc.ca!  
mala.bc.ca!oneb!ham!emd@network.ucsd.edu  
Subject: KDK Varactor source needed  
To: ham-equip@ucsd.edu

A friend of mine has a KDK FM 2025 MarkII rig, and wants to replace an intermittent varactor. These are marked D26 and D27, and are apparently type 1SV50.

I'd like to know:

An address where I can get KDK parts, if possible.

If not, a source for the varactors. He may want to buy a few of them to find a pair reasonably well matched.

Please reply to me - he doesn't have e-mail access.  
(Posting here is just fine, too)

Thanks, Bob, VE7EMD

Robert Smits  
VE7EMD  
Ladysmith B.C.  
e-mail: emd@ham.almanac.bc.ca

There is \*no\* idiotproof filter.  
Idiots are proof against anything!  
- Richard Chycoski, VE7CVS

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Date: Tue, 9 Nov 1993 20:02:45 GMT  
From: swrinde!gatech!howland.reston.ans.net!cs.utexas.edu!sdd.hp.com!  
hpscit.sc.hp.com!hplextra!hpfco!sbass@network.ucsd.edu  
Subject: remote switch  
To: ham-equip@ucsd.edu

As part of a project of mine, I would like to construct a remote control switch that operates on principles used by garage door openers and car alarm systems. I was hoping that some of you might have personal experience in radio circuitry that would be willing to give me a few pointers, or refer me to some practical technical text on the subject. I need to make this thing from scratch for use as a part of a demonstration. If you can help me, please send me some e-mail. Thanks in advance.

Steve Bass  
sbass@fc.hp.com

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Date: Thu, 11 Nov 1993 05:51:00 GMT  
From: pacbell.com!amdahl!netcomsv!netcom.com!msattler@ames.arpa  
Subject: TH-78A & beyond MARS mods  
To: ham-equip@ucsd.edu

In the official mod description from Kenwood, only surface-mount diodes 4 and 5 (of the six) are described. The others are simply labelled "beyond MARS". I'd like to hear from those who're involved in the MARS program and who have removed any additional diodes.

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Michael S. Sattler           msattler@netcom.com           +1 (415) 621-2903  
Digital Jungle Software    Encrypt now; ask me how.   (finger for PGP key)

All that is required for evil to triumph is  
for {wo}men of good will to do nothing.

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Date: 11 Nov 93 21:13:02 GMT  
From: ogicse!emory!kd4nc!n4tii@network.ucsd.edu  
Subject: TH-78A & beyond MARS mods  
To: ham-equip@ucsd.edu

msattler@netcom.com (Michael Sattler) writes:

>In the official mod description from Kenwood, only surface-mount  
>diodes 4 and 5 (of the six) are described. The others are simply  
>labelled "beyond MARS". I'd like to hear from those who're  
>involved in the MARS program and who have removed any additional  
>diodes.

>--

The BEYOND MARS mods are the ones that let you go the whole range of the radio.... the MARS mods allow you xmit on all of the 440 HAM band and also 141-151 usually.

Hope that helps!

John

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>Michael S. Sattler           msattler@netcom.com           +1 (415) 621-2903  
>Digital Jungle Software    Encrypt now; ask me how.   (finger for PGP key)

> All that is required for evil to triumph is  
> for {wo}men of good will to do nothing.

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Date: 9 Nov 1993 20:01:21 GMT  
From: munnari.oz.au!spool.mu.edu!sol.ctr.columbia.edu!news.kei.com!  
newsstand.cit.cornell.edu!newsstand.cit.cornell.edu!usenet@network.ucsd.edu  
Subject: what do i need to broadcast  
To: ham-equip@ucsd.edu

In article <2bmn3n\$neq@organpipe.uug.arizona.edu> todd,  
todd@goat.geo.arizona.edu writes:  
>like the title says, i need to know what sorts of equipment i need to  
get  
>in order to be able to broadcast over an AM or FM frequency with as  
little  
>trouble from the FCC as possible. is there a transmitter that  
broadcasts  
>below FCC regulations?  
>todd

I'm sure you'll get a ton of mail about doing it with 100 mw and short  
antennas on the am and fm broadcast bands. Results will vary, but might  
be sufficient for your needs.

What we used to do was run carrier current AM. Basically high power (appx  
200-500 watts) am transmitters that were coupled into the power lines  
with special coupling networks that propagated the signal everywhere the  
power lines went (till the next transformer) and gave us coverage of  
entire dorms. You used to be able to buy commercial systems for this,  
might still be available, or try hitting up a library for references. I  
don't remember enough to be helpful on the tech details anymore  
(basically it was a 500 watt am transmitter and modulator - lots of 811  
tubes, and that special coupling network which if you built it wrong or  
weren't careful installing it COULD GET YOU KILLED. So be careful if you  
decide to experiment with this. ), you definately want to do some reading  
on the subject. But when it works ,it basically gives you a very usable  
am radio signal inside of the building it's feeding. WE had a network of  
12 transmitters to cover two college campuses in a small town, linked by  
high grade phone lines (along with an fm port on the head end of the  
cable company and an educational fm station).

Hope that is a pointer in a potentially useful direction.

73 de Kevin, WB2EMS

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Date: Mon, 8 Nov 1993 23:01:16 GMT  
From: microsoft!hexnut!frede@uunet.uu.net  
To: ham-equip@ucsd.edu

References <16C7B7A90.MIKEN@YaleVM.YCC.Yale.Edu>,  
<WY1Z.930ct22114208@splinter.coe.northeastern.edu>, <consultCFwIJv.1xL@netcom.com>  
Subject : Re: Yaesu vs. Kenwood HT info wanted

I also have had very good luck with my Yaesu 530. It can be modified to receive pretty much continuously from 118-512 and 800-950. Early models of this rig (including the one I bought) had a poor resistance to intermod. However, Yaesu has fixed this problem (it's quite a significant redesign) and the new model is MUCH better. As a testament to Yaesu's customer service, they brought my "old" 530 up to the latest version at no charge to me. I just shipped it to Yaesu North America and a week later, I was shipped back my updated radio. Contact Yaesu for details of this free modification.

You can tell whether the 530 that you're buying is a "new" one (with the better front end) by the shape of its antenna. The "old" model has a stubby rubber duckie while the "new" one includes a much superior duckie which has a wide base extending to a slim top section. All 530's which are boxed with this type of rubber-duckie are the "new" model. Old models can be modified (including the replacement antenna), but look for the "new" model when you are shopping for the 530.

Hope this helps,

Fredric Einstein  
KB7UUC

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End of Ham-Equip Digest V93 #101

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